

Claims:

1. A dual-chamber type prefilled syringe comprising a cylindrical body (2) which has a first end (2a) provided with an portion (3) for attaching an injection
5 needle,

a front plug member (6), a middle plug member (7) and an end plug member (8) being hermetically fitted within the cylindrical body (2) in the mentioned order from a side of the first end (2a) of the cylindrical
10 body (2),

a first chamber (9) being formed between the front plug member (6) and the middle plug member (7) within the cylindrical body (2) and accommodating a first component (11),

15 a second chamber (10) being formed between the middle plug member (7) and the end plug member (8) within the cylindrical body (2) and accommodating a second component (12),

the front plug member (6) and the middle plug
20 member (7) having rear ends (6b and 7b), respectively on a side far away from the first leading end (2a),

the cylindrical body (2) having an inner surface formed with a bypass (14) in the shape of a concaved groove, the bypass (14) being longer than the middle
25 plug member (7) along an axial direction of the cylindrical body (2) and having a rear end portion (19) on the side far away from the first end (2a),

the first chamber (9) being communicated with the second chamber (10) via the bypass (14) when the middle
30 plug member (7) moves toward the side of the first end (2a) to reach a position where the bypass (14) is formed, characterized in that:

an inner volume (VS) of the cylindrical body (2) between the first end (2a) of the cylindrical body (2)
35 and the rear end (6b) of the front plug member (6) when

the middle plug member (7) has moved toward the side of the first end (2a) and its rear end (7b) has reached the rear end portion (19) of the bypass (14) is at least 60% of a volume (VC) of the second component (12).

5 2. The dual-chamber type prefilled syringe as set forth in claim 1, wherein the inner volume (VS) of the cylindrical body (2) between the first end (2a) of the cylindrical body (2) and the rear end (6b) of the front plug member (6) when the rear end (7b) of the middle
10 plug member (7) has reached the rear end portion (19) of the bypass (14) is not more than the volume (VC) of the second component (12).

3. The dual-chamber type prefilled syringe as set forth in claim 1 or 2, wherein a spacing (L) between the
15 first end (2a) of the cylindrical body (2) and the rear end (6b) of the front plug member (6) when the rear end (7b) of the middle plug member (7) has reached the rear end portion (19) of the bypass (14) is not more than 30 mm.

20 4. The dual-chamber type prefilled syringe as set forth in any one of claims 1 to 3, wherein a length of the middle plug member (7) along an axial direction of the cylindrical body (2) is set to a dimension which is 75 to 100% of an inner diameter of the cylindrical body
25 (2).